

Serial No. 09/691,163
Amdt. dated August 3, 2004
Reply to Office Action of May 3, 2004

Docket No. P-141

Amendments to the Specification:

Please replace paragraph beginning on page 9, line 13 with the following amended paragraph:

First, in case of data service, a handoff of a FCH is done by a handoff method according to the existing radio standards. Thus, in the present invention, the handoff of a FCH is not considered, but a handoff of a SCH is considered. In addition, in case of handoff of a medium rate data call, all BTSs in an active set are not allocated a ~~FSH~~ FCH and a SCH, but only a predetermined number of BTSs having a pilot strength enough to combine pilot signals by a mobile station are allocated both FCH and SCH.

Please replace paragraph beginning on page 10, line 18 with the following amended paragraph:

As the result of the judgment of S14, since the pilot condition of the BTS in the active set is continuously changed, the mobile station performs the conventional handoff procedure if the pilot strength of other active BTS to which a SCH is not allocated is not maintained at a ~~small~~ smaller state, the mobile station performs the existing handoff procedure in S15.

Please replace paragraph beginning on page 11, line 19 with the following amended paragraph:

When the mobile station during the medium rate data call requests the allocation of an SCH by means of a PSMM according to the existing radio standard, the base station checks whether the SCH is allocated to a BTS in the active set in S21 and S22. As the result of the checking, if there is a BTS to which a SCH is allocated, the base station compares the pilot strength of an active BTS to which a SCH is not allocated with the pilot strength of a BTS to which SCH is allocated in S23.

Please replace paragraph beginning on page 12, line 4 with the following amended paragraphs:

Thus, if the pilot strength of the BTS to which a SCH is allocated is more than T_ADD, the base station additionally allocates a SCH resource to the BTS to which a SCH is not allocated and the BTS to which a SCH is not allocated in S25.

In addition, both the pilot strength of the BTS to which a SCH is allocated and the pilot strength of the BTS to which a SCH is not allocated are larger than a reference threshold, the base station additionally allocates a SCH resource to the BTS to which a SCH is not allocated and the BTS to which a SCH is not allocated. The reference threshold is a value which is previously set by a radio environment test. In case of ADD handoff, the reference threshold is set higher than T_ADD and in case of DROP handoff, the reference threshold is set higher

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than T_DROP, for thereby preventing a frequent handoff and making it unnecessary to compute a reference threshold at every handoff request.

Please replace paragraph beginning on page 12, line 21 with the following amended paragraph:

In addition, as the result of the comparison in S23, if the pilot strength of the BTS to which a SCH is not allocated is not larger than the pilot strength of the BTS to which a SCH is allocated, the base station additionally allocates a SCH to only a BTS to which the SCH is allocated in S27.